



SI 1458

For technical personnel only!

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SERVICE INFORMATION

LEAKING WATER PUMPS DUE TO INCORRECT COOLANT AGENT

SITUATION

Using the wrong coolant agent in the water pumps has a significant effect on operational safety.

CAUSE OF DAMAGE

Primarily, corroded solid particles, which come off the surface of the cooling system, destroy the sliding ring seals of the water pumps. The main cause of this corrosion inside the cooling system is insufficient corrosion protection from the cooling liquid.

REMEDY

Only use the coolant agent approved by the manufacturer for mixing the cooling liquid. Avoid water with a high hardness level ($> 20^\circ \text{dH}$) or water from sea water desalination plants.

Ensure that the cooling liquid is always mixed in a separate receptacle outside the cooling system.

For sufficient and outstanding corrosion protection all year round, the air-fuel ratio of coolant agent and water is important for ensuring the proper function and

durability of the water pump. For safety reasons, we recommend an air-fuel ratio of 50:50.



Corrosion in the cooling system is caused by using out-of-date or unsuitable coolant agent. Due to this connection, heavily corroded water pumps are not covered by the warranty.



Corroded impellers



Destroyed sliding ring seal – the sliding surface was corroded by foreign particles

All content including pictures and diagrams is subject to change.

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